

**Amendments to the Claims:**

Please cancel Claim 10-11 and 18-20 without prejudice or disclaimer.

Please add new Claims 21-24 as shown in the Listing of Claims below.

This Listing of Claims will replace prior versions, and listings, of claims in the application.

**Listing of Claims:**

1-20 (canceled)

21. (New) An image processing apparatus for performing a color conversion on print data and outputting the print data on which the color conversion is performed to a printer unit, the image processing apparatus comprising:

a first determining unit configured to determine whether monochrome output has been specified by a user;

a second determining unit configured to determine whether each picture object included in the print data is a color object;

a setting unit configured to set, for the print data, a first mode for calculating the color conversion for the print data at a high bit-depth or a second mode for calculating the color conversion at a low bit-depth based on results of the determinations by the first determining unit and the second determining unit; and

a color conversion unit configured to perform the color conversion on the print data based on a mode set by the setting unit and to generate output data to be output by the printer unit,

wherein the setting unit is configured to set the second mode when the first determining unit determines that the monochrome output has been specified by the user,

wherein the setting unit is configured to set the first mode when the first determining unit determines that the monochrome output has not been specified

by the user and the second determining unit determines that the color object is included in the print data, and

wherein the setting unit is configured to set the second mode when the first determining unit determines that the monochrome output has not been specified by the user and the second determining unit determines that the color object is not included in the print data.

22. (New) The image processing apparatus according to Claim 21, wherein the image processing apparatus comprises:

- a printer driver; and

- a controller,

- the printer driver comprising:

  - the first determining unit;

  - the second determining unit;

  - the setting unit; and

- a print job generating unit configured to generate print-job data including the print data and information indicating the set mode, and the controller comprising:

  - an input unit configured to input the print-job data; and

  - the color conversion unit.

23. (New) An image processing method for an image processing apparatus to perform a color conversion on print data and to output the print data on which the color conversion is performed to a printer unit, the image processing method comprising:

- obtaining user input from an input unit;

- determining whether monochrome output has been specified by the user input obtained from the input unit;

- determining whether each picture object included in the print data is a color object;

setting, for the print data, a first mode for calculating the color conversion for the print data at a high bit-depth or a second mode for calculating the color conversion at a low bit-depth based on results of the determination of whether monochrome output has been specified and the determination of whether each picture object included in the print data is a color object; and

performing the color conversion on the print data based on a mode set, the mode being set to the second mode when it is determine that the monochrome output has been specified by the user, the mode being set to the first mode when it is determined that the monochrome output has not been specified by the user and it is determined that that the color object is included in the print data, the mode being set to the second mode when it is determined that the monochrome output has not been specified by the user and it is determined that that the color object is not included in the print data;

generating output data to be output by the printer unit; and

outputting the generated output data on which the color conversion has been performed to a printer unit.

24. (New) A computer-readable medium having computer-executable instructions stored thereon for an image processing apparatus to perform an image processing method that performs a color conversion on print data and outputs the print data on which the color conversion is performed to a printer unit, the image processing method comprising:

obtaining user input from an input unit;

determining whether monochrome output has been specified by the user input obtained from the input unit;

determining whether each picture object included in the print data is a color object;

setting, for the print data, a first mode for calculating the color conversion for the print data at a high bit-depth or a second mode for calculating the color conversion at a low bit-depth based on results of the determination of whether

monochrome output has been specified and the determination of whether each picture object included in the print data is a color object; and

performing the color conversion on the print data based on a mode set, the mode being set to the second mode when it is determine that the monochrome output has been specified by the user, the mode being set to the first mode when it is determined that the monochrome output has not been specified by the user and it is determined that that the color object is included in the print data, the mode being set to the second mode when it is determined that the monochrome output has not been specified by the user and it is determined that that the color object is not included in the print data;

generating output data to be output by the printer unit; and

outputting the generated output data on which the color conversion has been performed to a printer unit.